



PTO/SB/08a (08-03)

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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/602,220
Filing Date	6/23/2003
First Named Inventor	TURPEN
Art Unit	1652
Examiner Name	Delia M. RAMIREZ
Attorney Docket Number	LSBC-0087-CP07B

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DL		4,921,902	5/1/1990	HALL, et al.	
		5,316,931	5/31/1994	DONSON, et al.	
		5,401,650	3/28/1995	DESNICK, et al.	
		5,356,804	10/18/1994	DESNICK, et al.	
		5,589,367	12/31/1996	DONSON, et al.	
		5,618,699	4/8/1997	HAMAMOTO, et al.	
		5,955,647	9/21/1999	FITCHEN, et al.	
		5,977,438	11/02/1999	TURPEN, et al.	
		6,033,895	3/7/2000	GARGER, et al.	
		6,042,832	3/28/2000	KOPROWSKI, et al.	
DL		6,210,666	4/3/2001	MIYAMURA	
		6,232,099	5/15/2001	CHAPMAN, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
DL		EP 0174759	3/19/1986	JAMES, et al.		
		EP 0197809	10/15/1986	DELGRANGE, et al.		
		EP 0672754	9/20/1995	HAMAMOTO, et al.		
		EP 0726312	8/14/1996	EKEZE, et al.		
		WO 92/18618	10/29/92	LOMONOSSOFF, et al.		
		WO 95/21248	8/10/1995	FITCHEN, et al.		
		WO 96/02649	2/1/1996	LOMONOSSOFF		
		WO 96/12027	4/25/1996	CHAPMAN, et al.		
		WO 96/12028	4/25/1996	TURPEN, et al.		
		WO 97/10353	3/20/1997	RADIN, et al.		
DL		WO 97/39134	10/23/1997	WILSON, et al.		
		WO 97/49425	12/31/1997	BEEKMAN, et al.		
		WO 99/46288	9/16/1999	GARGER, et al.		

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		Group Art Unit	1652		
		Examiner Name	Delia M. RAMIREZ		
Sheet	2	of	3	Attorney Docket Number	LSBC-0087-CP07B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	r ²
DR		BAKER, et al., "Polyethylenimine (PEI) is a simple, inexpensive and effective reagent for condensing and linking plasmid DNA to adenovirus for gene delivery", <i>Gene Therapy</i> (1997) 4:773-782	
		DAWSON, et al., "A Tobacco Mosaic Virus-Hybrid Expresses and Loses an Added Gene", <i>Virology</i> (1989) 172:285-292	
		DAWSON, et al., "cDNA cloning of the complete genome of tobacco mosaic virus and production of infectious transcripts", <i>Proc. Natl. Acad. Sci. USA</i> (1986) 83:1832-1836	
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		DONSON, et al., "Systemic expression of bacterial gene by a tobacco mosaic virus-based vector", <i>Proc. Natl. Acad. Sci. USA</i> (1991) 88:7204-7208	
		HAMAMOTO, et al., "A new tobacco mosaic virus vector and its use for the systemic production of angiotensin-I-converting enzyme inhibitor in transgenic tobacco and tomato", <i>Bio/Tech.</i> (1993) 11:930-932	
		HAYNES, et al., "Development of a genetically-engineered, candidate polio vaccine employing the self-assembling properties of the tobacco mosaic virus coat protein", <i>Bio/Tech.</i> (1986) 4:637-641	
		JADADISH, et al., "High level production of hybrid potyvirus-like particles carrying repetitive copies of foreign antigens in <i>Escherichia coli</i> ", <i>Bio/Tech.</i> (1993) 11:1166-1170	
		KORNREICH, et al., Swiss Prot accession number AGAL_HUMAN, January 1988	
		KREBBERS, et al., "Prospects and progress in the production of foreign proteins and peptides in plants", <i>Plant Protein Engineering</i> , Shewry, et al., Eds., Cambridge University Press, Cambridge (1992) pp. 316-324	
		MURRAY, "Lectin-specific targeting of lysosomal enzymes to reticuloendothelial cells", <i>Methods in Enzymology</i> (1987) 149:25, 39, 41-42	
DR		MURRAY, et al., "Production of Recombinant Human Glucocerebrosidase in Plants", <i>Fed. of American Soc. for Experimental Biology</i> , (April 1996) 10(6):a1126 <i>already considered in IDS of</i>	

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DR		TAKAMATSU, et al., "Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector", <i>FEBS Lett.</i> (1990) 269(1):73-76	
DR		TURPEN, et al., "Malarial epitopes expressed on the surface of recombinant tobacco mosaic virus", <i>Bio/Tech.</i> (1995) 13:53-57	
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JR		BORK, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", <i>Genome Research</i> (2000) 10:398-400	
		BOWIE, et al., "Diciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", <i>Science</i> (1990) 247:1306-1310	
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		BROUN, et al., "Catalytic plasticity of fatty acid modification enzymes underlying chemical diversity of plant lipids", <i>Science</i> (1998) 282:1315-1317	
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JR		FURBISH, et al., "Uptake and Distribution of Placental Glucocerebrosidase in at Hepatic Cells and Effects of Sequential Deglycosylation", <i>Biochemica et biophysica Acta.</i> , (1981) 673:425-434	

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		GRABOWSKI, et al., "Expression of Functional Human Acid β -glucosidase in COS-1 and <i>Sporoptera frugiperda</i> Cells", <i>Enzyme</i> , (1989) 41:131-142	
		GRACE, et al., "Analyses of catalytic activity and inhibitor binding of human acid β -glucosidase by site-directed mutagenesis", <i>J. Bio. Chem.</i> (1990) 265:6827-6835	
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		LEE and RAIKHEL, "Prohevein is poorly processed but shows enhanced resistance to a chitin-binding fungus in transgenic tomato plants", <i>Brazilian J. Med. and Biol. Res.</i> , (1995) 28:743-750	
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		PARK, et al., "Structure and nucleotide sequence of tomato HMG2 encoding 3-hydroxy-3-methyl-glutaryl coenzyme A reductase", <i>Plant Mol. Biol.</i> (1992) 20:327-331	

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		SCHATZLE, et al., "Molecular Cloning and Characterization of the Structural Gene Coding for the Developmentally Regulated Lysosomal Enzyme, α -Mannosidase, in <i>Dictyostelium discoideum</i> , <i>J. Bio. Chem.</i> (1991) 267(6):4000-4007	
		SCHULZ and SCHIRMER, "Principles of Protein Structure", (1979) pp. 14-16, Springer-Verlag, eds.	
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		SHULL, et al., "Enzyme replacement in a canine model for Hurler syndrome", <i>Proc. Natl. Acad. Sci. USA</i> , (1994) 91:12937-12941	
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		TAKAMATSU, et al., "Expression of bacterial chloramphenicol acetyltransferase gene in tobacco plants mediated by TMV-RNA", <i>EMBO J.</i> , (1987) 6(2):307-311	
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		VIERSTRA, "Protein Degradation in Plants", <i>Annual Review of Plant Physiology and Plant Molecular Biology</i> (1993) 44:385-410, Annual Reviews, Inc., Palo Alto, California	
		VON FIGURA and HASILIK, "Lysosomal Enzymes and Their Receptors", <i>Ann. Rev. Biochem.</i> , (1986) 55:167-193	

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		WEISSENBORN, "HMG-CoA reductase and terpenoid phytoalexins: Molecular specialization within a complex pathway", <i>Physiologia Plantarum</i> , (1995) 93:393-400	
		WELLS, "Additivity of Mutational Effects in Proteins", <i>Biochemistry</i> (1990) 29(37):8509-8517	
DR		WITKOWSKI, et al., "Conversion of a beta-Ketoacyl synthase to a malonyl decarboxylase by replacement of the active-site cysteine with glutamine", <i>Biochemistry</i> (1999) 38:11643-11650	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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